15 / 17 / 19" LCD

Dual Rail Console

User's Manual

Rev 1.0

Packing List

The complete 15 / 17 / 19" LCD console package consist of:

- One 1U 19" rack mount console
- Short Single Bracket x 2 (For under 520 mm rack depth)
- Long Assemblied Bracket x 2 (For 520 ~ 741.5 mm rack depth)
- Support Bracket x 2 (For 680 ~ 830 mm rack depth)
- Metal Plate x 2 (For short single bracket)
- Copper Ring x 4 (For short single bracket)
- Flat Screw x 4 (For short single bracket)
- Cap Screw x 28
- Key x 2
- One 1.8M signal cable
- One power cord
- One user manual CD
- One quick installation guide

The complete 15 / 17 / 19" LCD console with 8 / 16 ports KVM switch package consists of:

- One 1U 19" rack mount console
- Short Single Bracket x 2 (For under 650 mm rack depth)
- Long Assemblied Bracket x 2 (For 650 ~ 861.5 mm rack depth)
- Metal Plate x 2 (For short single bracket)
- Copper Ring x 6 (For short single bracket)
- Flat Screw x 6 (For short single bracket)
- Cap Screw x 28
- Key x 2
- One 1.8M signal cable
- One power cord
- One user manual CD
- One quick installation guide

Check to make sure that the unit was not damaged in shipping. If you encounter a problem, contact your dealer.
Please read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the product, and/or any of the devices that connect to it.

Safety Instructions

1. Please read these safety instructions carefully.
2. Please keep this User's Manual for later reference.
3. Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or clothe for cleaning.
4. For pluggable equipment, the socked-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when install. A drop or fall could cause injury.
7. Do not leave this equipment in an environment unconditioned, storage temperature above 60^0 C, it may damage the equipment.
8. The opening on the enclosure is for air convection hence the equipment from overheating. DO NOT COVER THE OPENING.
9. Make sure the voltage of the power source connect the equipment to the power outlet.
10. Please keep the power cord such a way that people can not step on it. Do not place anything over power cord. The power cord must rate for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and the current rating marked on the product.
11. All cautions and warning on the equipment should be noted.
12. If the equipment is not in use for long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
13. Never pour any liquid into ventilation openings; this could cause fire or electrical shock.
14. Never open the equipment. For safety reason, qualified service personnel should only open the equipment.
15. If one of the following situations arises, get the equipment checked by service personnel.
    - The Power Cord or plug is damaged.
    - Liquid has penetrated into the equipment.
    - The equipment has been exposed to moisture.
    - The equipment has not worked well or you can not get it work according to User's Manual.

- The equipment has dropped and damaged.
- If the equipment has obvious signs or breakage.

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1. General Information

1.1 Overview

The KVM console is an ideal solution for network administration with multiple servers / platforms. Their 15-inch and 17-inch 19-inch large size TFT LCD color display and ultra-low-profile compact industrial keyboard / touchpad provide the user-friendliest and most reliable environment for network administrators. All these functions are integrated in a 19-inch 1U space with rugged construction design to achieve ultra space saving and high reliability for high quality industrial network applications.

The KVM console provide superior picture quality and state-of-the-art features mounted in an industrial grade, rack mount console. The console forms a rugged enclosure that protects the monitor from industrial hazards and permits easy access to monitor controls.

The KVM console monitors provide flicker-free color images at optimal resolutions. The monitors' 0.264mm pixel pitch ensures crisp images with clear definition, even at high resolutions. The KVM console monitors are intelligent, microprocessor-based, and have an ergonomically designed display.

The KVM console monitors employ the latest in active matrix thin film transistor (TFT) technology, providing crisp screen images and wide viewing angles. Unlike CRT monitors, LCD monitors are inherently immune to the magnetic fields commonly found on the plant floor or communications centers. LCDs are also typically brighter than conventional CRT technology, making them ideal for the high ambient lighting conditions found in many of today's factory environments. On-screen menus allow for display adjustments. In addition, the monitors' Plug-n-Play+ features support Windows 95/98,NT and XP, while a universal power supply ensures global applicability.

The KVM console monitors are compatible with most analog RGB (red, green, blue) display standards, including PS/2, optional for Sun Micro System, Apple Macintosh Centris, Quadra, and Macintosh II family signals. The LCD monitor is capable of displaying crisp and vibrant color graphics with VGA, S2GA, XGA (non-interlaced), and most Macintosh compatible color video cards.

1.2 Product Specification

1.2.1 15" LCD Console Specification

Model name	15" LCD console
Number of ports	1
Dimension	449.8 x 443.4 x 44 mm / 17.7 x 17.5 x 1.7 inches
Package Dimension	605 x 560 x 202 mm / 23.8 x 22.0 x 8.0 inches
Net Weight	10.5 Kg / 23.1 lbs
Gross Weight	15.5 Kg / 34.2 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-1. 15" LCD Console Specification

Model name	15" LCD concole with 8 ports KVM switch
Number of ports	8
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	11.5 Kg / 25.4 lbs
Gross Weight	17.5 Kg / 38.6 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-2. 15" LCD Console with 8 ports KVM Switch Specification

Model name	15" LCD console with 16 ports KVM switch
Number of ports	16
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	12.0 Kg / 26.5 lbs
Gross Weight	18.0 Kg / 39.7 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~122°F Storage -20 ~ 60°C / -4 ~140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-3. 15" LCD Console with 16 ports KVM Switch Specification

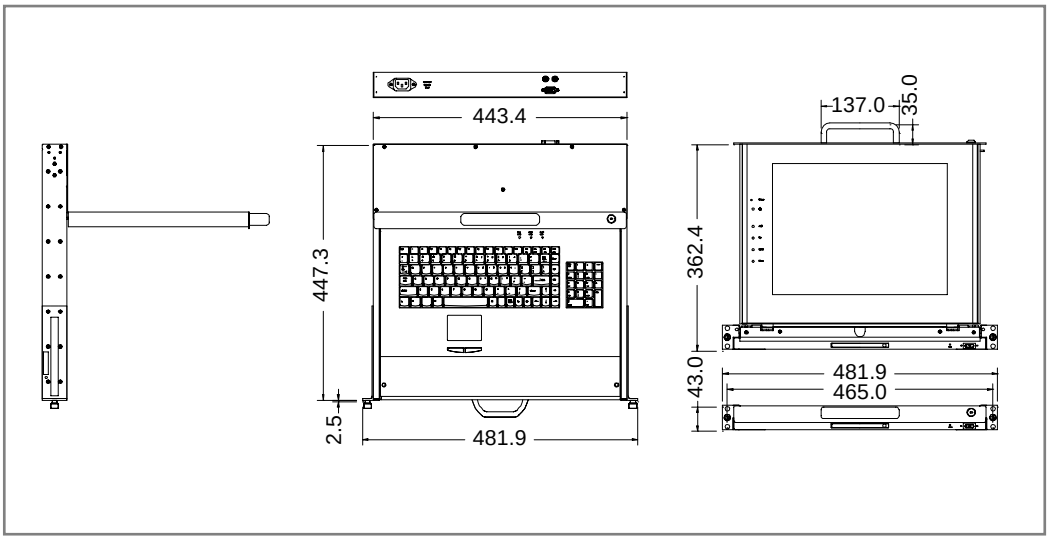


Figure 1-1. 15" LCD Console Dimension

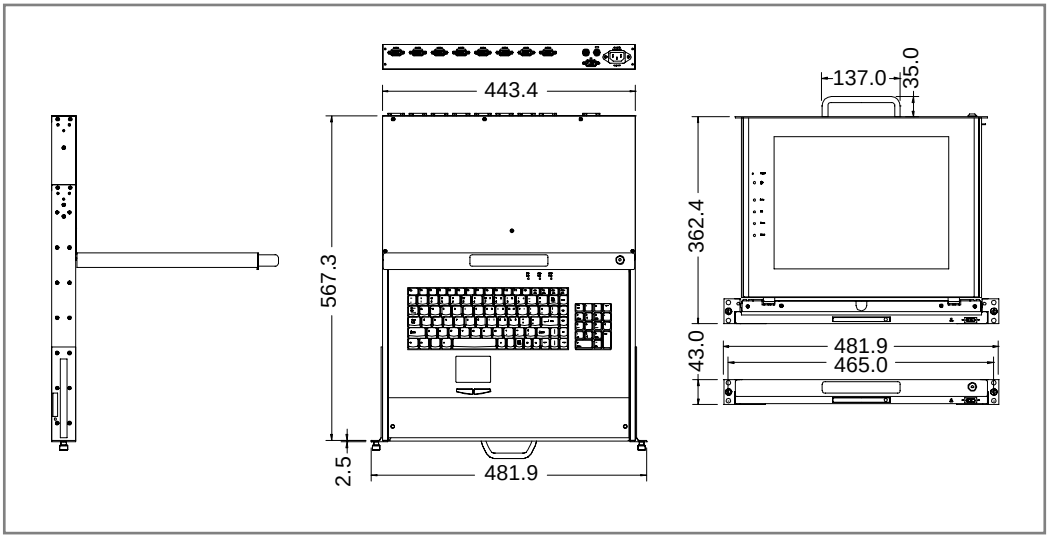


Figure 1-2. 15" LCD Console with 8 ports KVM Switch Dimension

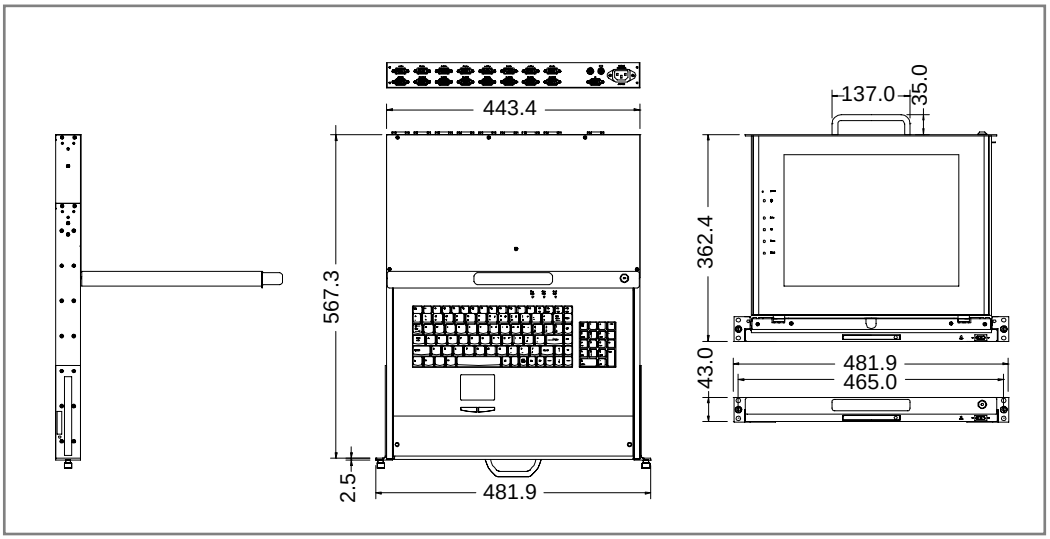


Figure 1-3. 15" LCD Console with 16 ports KVM Switch Dimension

1.2.2 17" LCD Console Specification

Model name	17" LCD console
Number of ports	1
Dimension	449.8 x 443.4 x 44 mm / 17.7 x 17.5 x 1.7 inches
Package Dimension	605 x 560 x 202 mm / 23.8 x 22.0 x 8.0 inches
Net Weight	12.0 Kg / 26.5 lbs
Gross Weight	17.0 Kg / 37.5 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-4. 17" LCD Console Specification

Model name	17" LCD console with 8 ports KVM switch
Number of ports	8
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	13.0 Kg / 28.7 lbs
Gross Weight	19.5 Kg / 43.0 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-5. 17" LCD Console with 8 ports KVM Switch Specification

Model name	17" LCD console with 16 ports KVM switch
Number of ports	16
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	13.5 Kg / 29.8 lbs
Gross Weight	20.0 Kg / 44.1 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-6. 17" LCD Console with 16 ports KVM Switch Specification

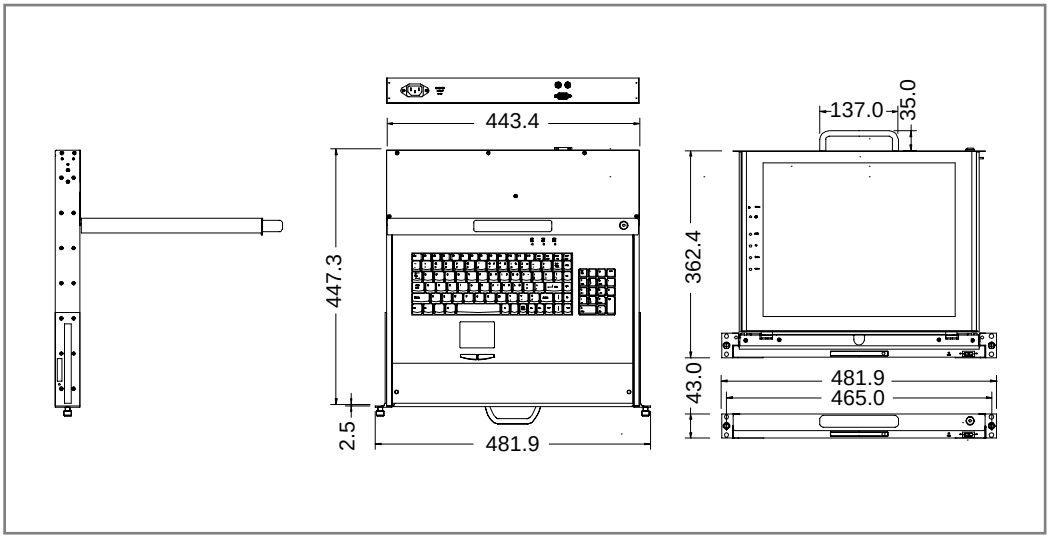


Figure 1-4. 17" LCD Console Dimension

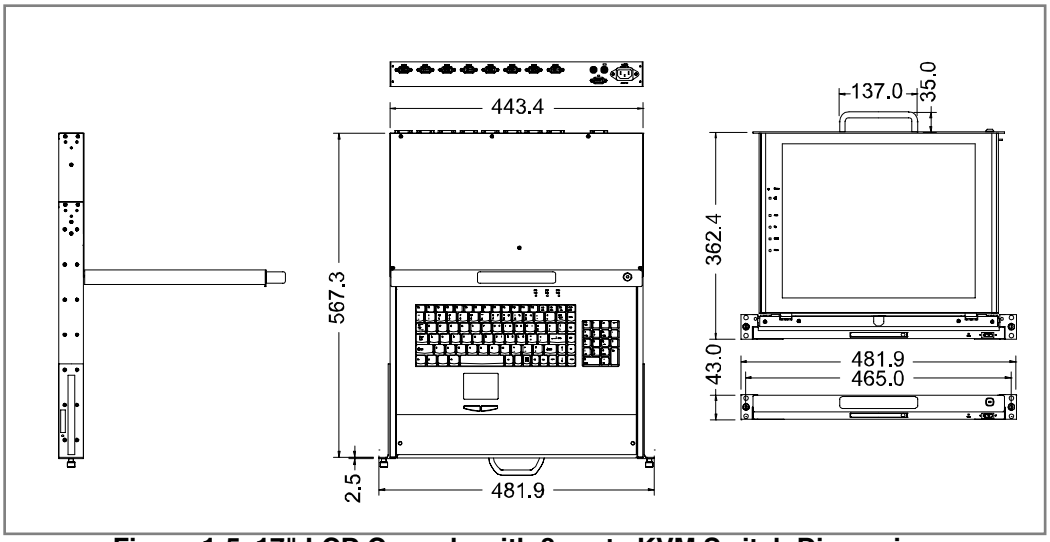


Figure 1-5. 17" LCD Console with 8 ports KVM Switch Dimension

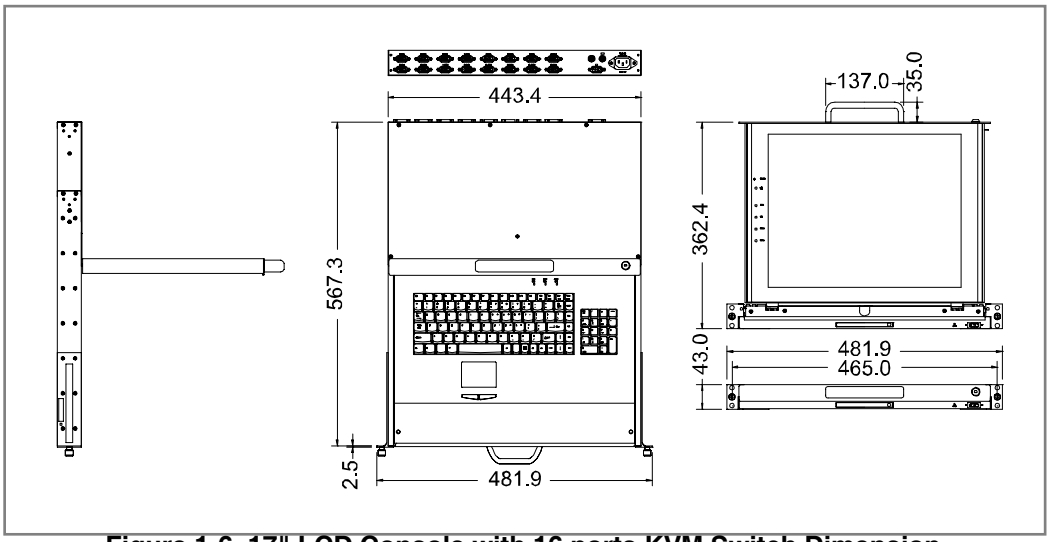


Figure 1-6. 17" LCD Console with 16 ports KVM Switch Dimension

1.2.3 19" LCD Console Specification

Model name	19" LCD console
Number of ports	1
Dimension	511.3 x 443.5 x 44 mm / 20.1 x 17.5 x 1.7 inches
Package Dimension	664 x 564 x 185 mm / 26.1 x 22.2 x 7.3 inches
Net Weight	12.5 Kg / 27.6 lbs
Gross Weight	19.0 Kg / 41.9 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-7. 19" LCD Console Specification

Model name	19" LCD console with 8 ports KVM switch
Number of ports	8
Dimension	631.3 x 443.5 x 44 mm / 24.9 x 17.5 x 1.7 inches
Package Dimension	788 x 564 x 185 mm / 31.0 x 22.2 x 7.3 inches
Net Weight	14.0 Kg / 30.9 lbs
Gross Weight	21.5 Kg / 47.4 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-8. 19" LCD Console with 8 ports KVM Switch Specification

Model name	19" LCD console with 16 ports KVM switch
Number of ports	16
Dimension	631.3 x 443.5 x 44 mm / 24.9 x 17.5 x 1.7 inches
Package Dimension	788 x 564 x 185 mm / 31.0 x 22.2 x 7.3 inches
Net Weight	14.5 Kg / 32.0 lbs
Gross Weight	22.0 Kg / 48.5 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m2 (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick

Table 1-9. 19" LCD Console with 16 ports KVM Switch Specification

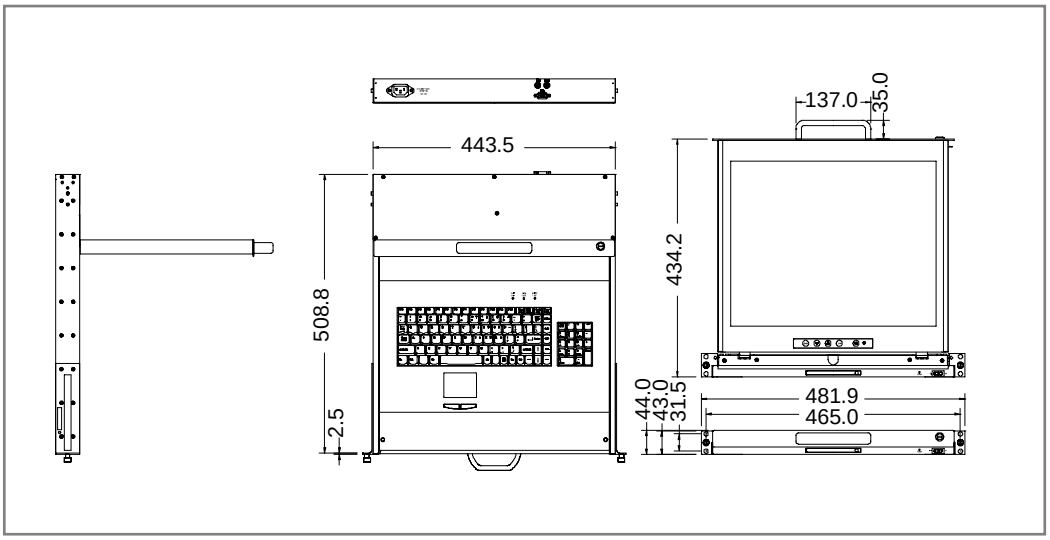


Figure 1-7. 19" LCD Console Dimension

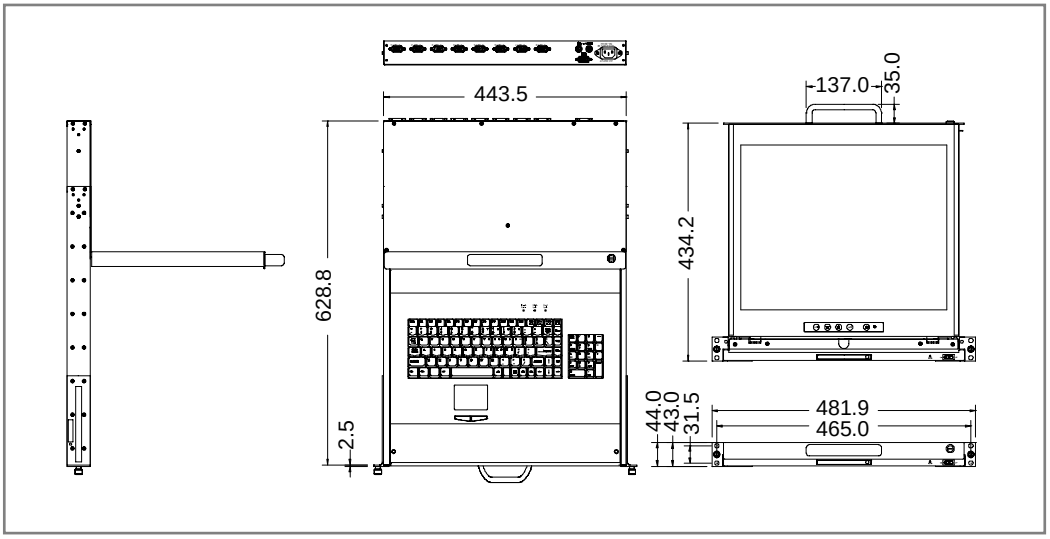


Figure 1-8. 19" LCD Console with 8 ports KVM Switch Dimension

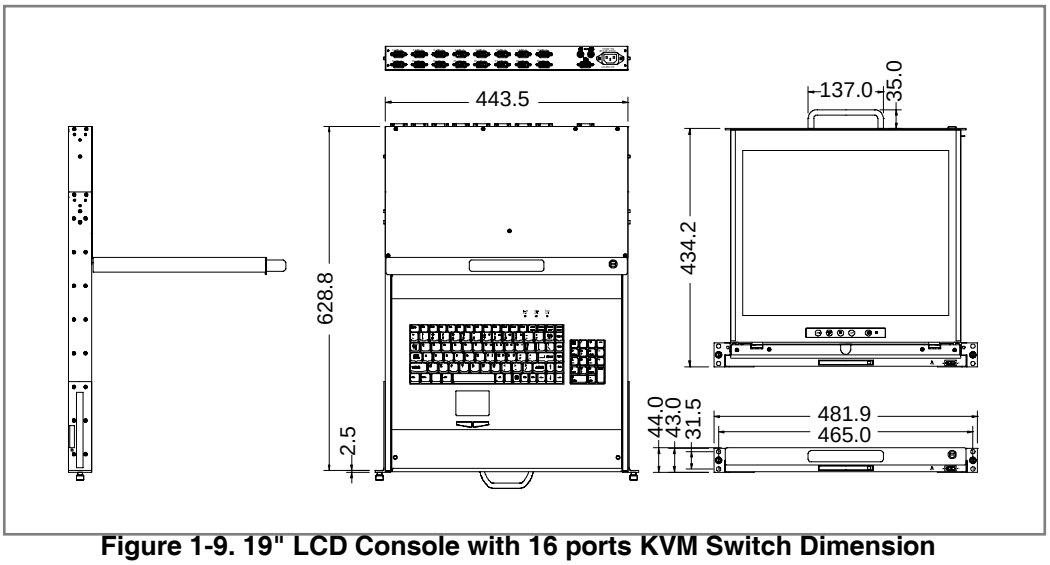


Figure 1-9. 19" LCD Console with 16 ports KVM Switch Dimension

2. Panel Controls and OSD Function

Controls	Description
⏻	Soft power on/off button. Adjacent LED is lit when on.
Auto	Auto-synchronize and scale down display to any valid factory preset timings.
Up▲	Press to scroll the function you want to adjust.
Down▼	Press to scroll the function you want to adjust.
Menu	To access the main menu. This button also acts as the "Enter" button.

Table 2-1. Panel Controls

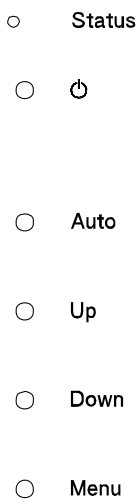


Figure 2-1. 15 / 17 " LCD Console OSD Control Bar

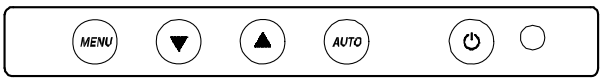


Figure 2-2. 19" LCD Console OSD Control Bar

2.1 Auto Tune

Press the "auto tune" button. The panel will adjust the display size automatically and also tune the panel to its best condition.

2.2 Input Source

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit

3. Press the"menu"button to enter,and you will see:

   VGA / DVI
4. Use the "Down" and "Up" button to select the input source of signal.
5. Press the "menu" button to enter

2.3 Brightness

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit
3. Press the"menu"button to enter.
4. Use the"Down"and"Up"button to adjust the brightness of the display.
5. Press the "menu" button to enter.

2.4 Contrast

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit

1. Press the "menu" button to enter.
2. Use the "Down" and "Up" button to adjust the contrast of the display.
3. Press the "menu" button to enter.

2.5 Color

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit

3. Press the "menu" button to enter. And you will see:

Icon	Description
9300°K	To set CIE coordinates at 9300°K color
7500°K	To set CIE coordinates at 7500°K color
6500°K	To set CIE coordinates at 6500°K color
User	To set user defined CIE
Auto color	To auto adjust color
Return	To exit and return to the previous page

Table 2-2. Icon Description

4. Use the "Down" and "Up" button to adjust the color of the display.
5. Press "menu" to enter.

2.6 Position

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   - Auto tune.
   - Input Source
   - Brightness
   - Contrast
   - Color
   - **Position**
   - Language
   - Recall
   - Exit
3. Press the "menu" button to enter. And you will see:

Icon	Description
Image Pos	To adjust the position of the image.
OSD Pos	To adjust the position of the OSD.
Return	To exit and return to the previous page

Table 2-3. Icon Description

4. Use the "Down" and "Up" button to scroll.
5. Press the "menu" button to enter.

2.7 Language

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit
3. Press the "menu" button to enter. And you will see:
   English
   German
   French
   Italian
   Spanish
4. Use the "Down" and "Up" button to scroll.
5. Press the "menu" button to enter.

2.8 Recall

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall

Exit

3. Press the "menu" button to enter, and you will see:

   Yes/ No

4. Select "Yes" button then 'Menu" button to recall the factory setting.
   Select "No " to return to the previous page.

2.9 Exit

Press the "exit" button to quit OSD menu.

2.10 Power Indicator

- GREEN ON
- RED STANDBY
- RED SUSPEND
- RED OFF

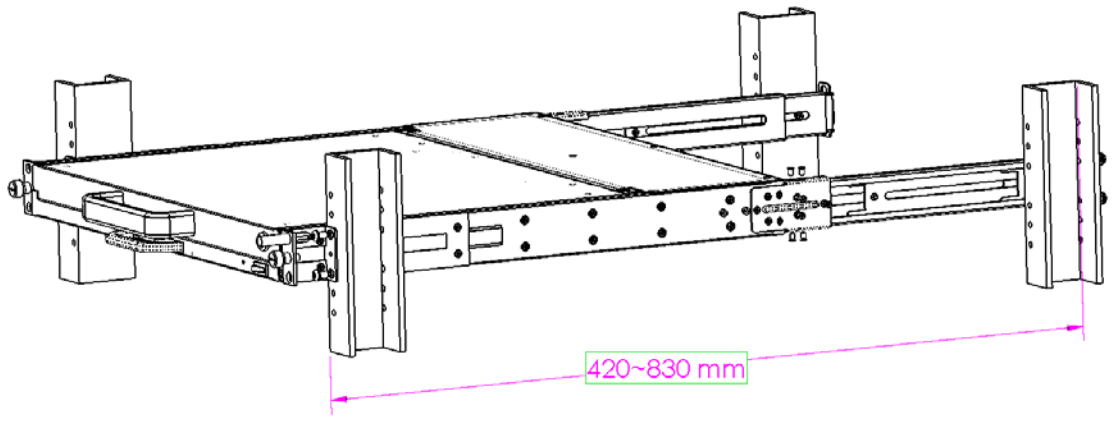
OSD – On Screen Display

3. Installation

3.1 Install Console into Cabinet

3.1.1 Notes

1. Please check all peripherals according the list before installation.To make sure that the whole unit was not damaged and lost during shipping process.If you encounter any problem,please contact your dealer.
2. Before installation,make sure all peripherals and computers have been turned off.
3. This product required front and rear mounting brackets. Pre-configure the deep of the rack to find the best rear bracket kits for your usage.
4. The standard rear bracket kits are for 420~830 mm as below figure,contact your dealer if you need more longer rear bracket.
5. Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.

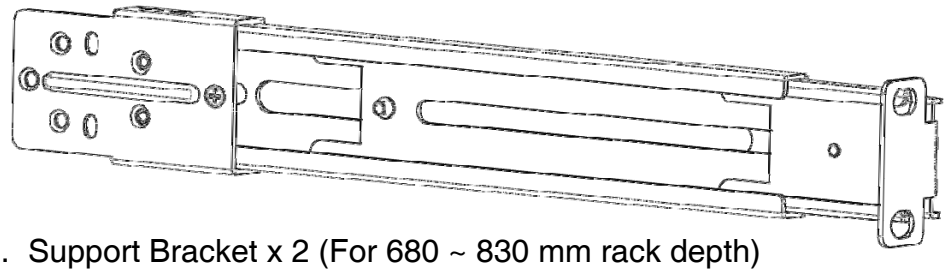


3.1.2 Hardware Kits Contents

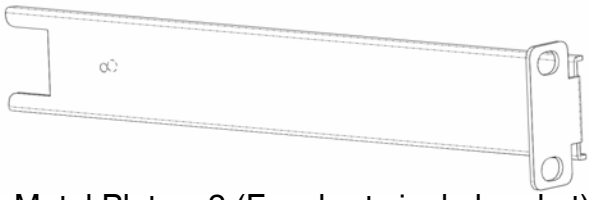
Console Packing Content:

1. Short Single Bracket x 2 (For under 520 mm rack depth)

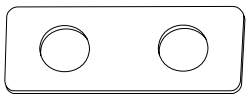
2. Long Assembled Bracket x 2 (For 520 ~ 680 mm rack depth)



3. Support Bracket x 2 (For 680 ~ 830 mm rack depth)



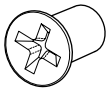
4. Metal Plate x 2 (For short single bracket)



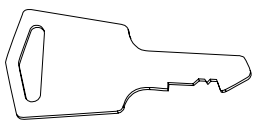
5. Copper Ring x 4 (For short single bracket)

6. Flat Screw x 4 (For short single bracket)

7. Cap Screw x 28

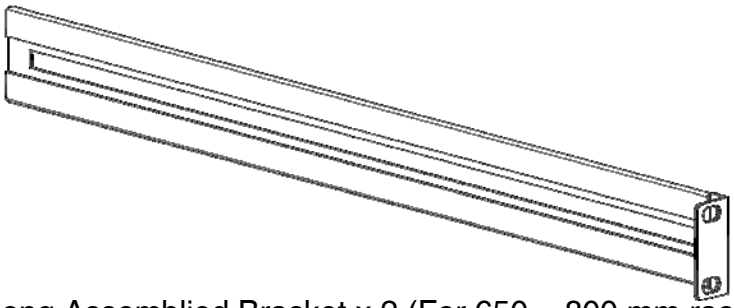


8. Key x 2

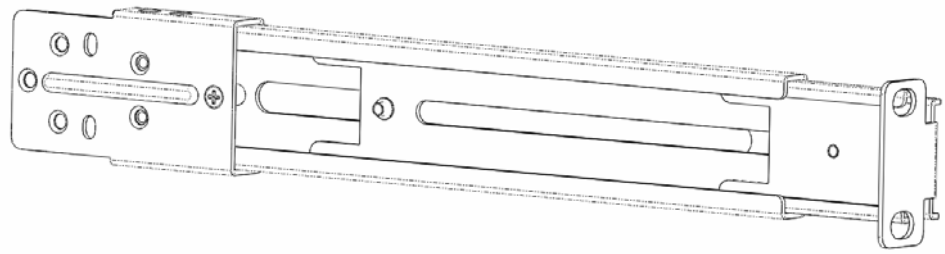


Console with 8 / 16 ports KVM Switch Packing Content:

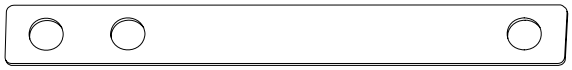
1. Short Single Bracket x 2 (For under 650 mm rack depth)



2. Long Assemblied Bracket x 2 (For 650 ~ 800 mm rack depth)



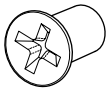
3. Metal Plate x 2 (For short single bracket)



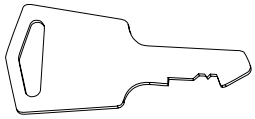
4. Copper Ring x 6 (For short single bracket)

5. Flat Screw x 6 (For short single bracket)

6. Cap Screw x 28



7. Key x 2



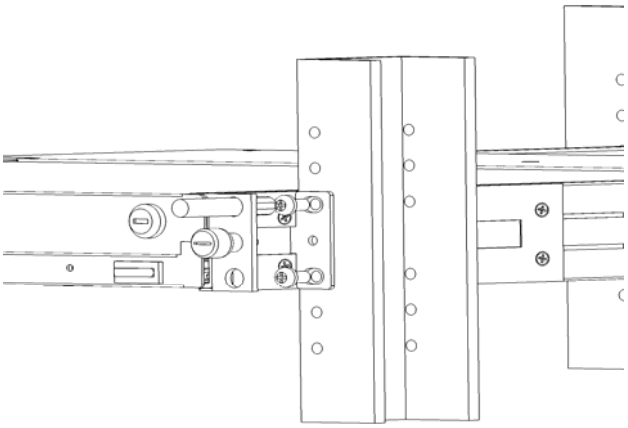
3.1.3 Installation Step

Second person required for rear support during installation

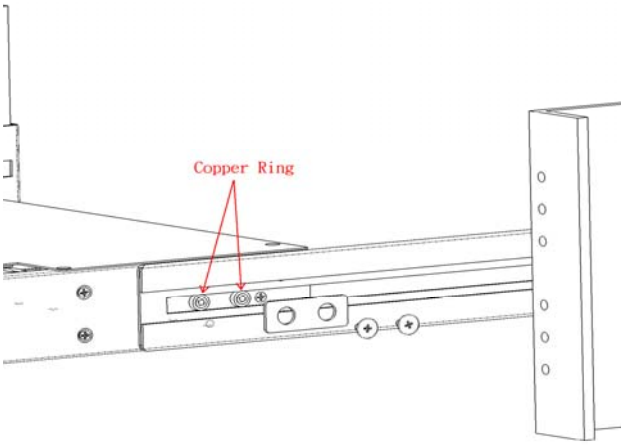
A. Rack Depth Under 520mm

1) Release the thumb screw of front bracket (both side)

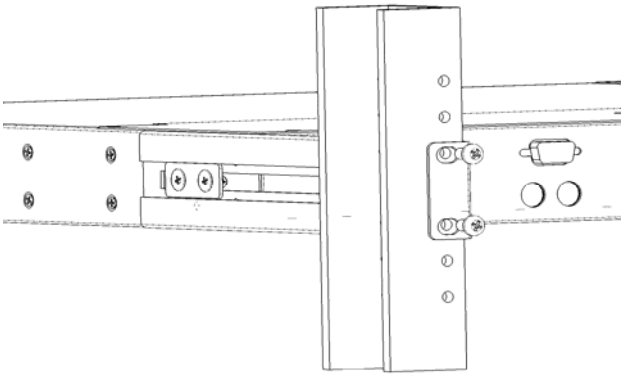
2) Install front bracket from each side using cabinet screws



3) Install rear bracket from each side

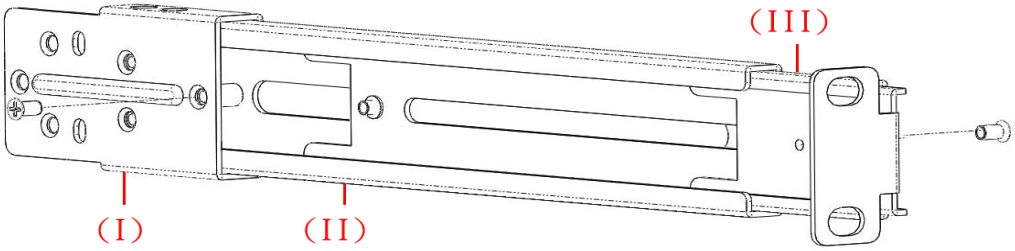


4) Install rear bracket from each side using cabinet screws

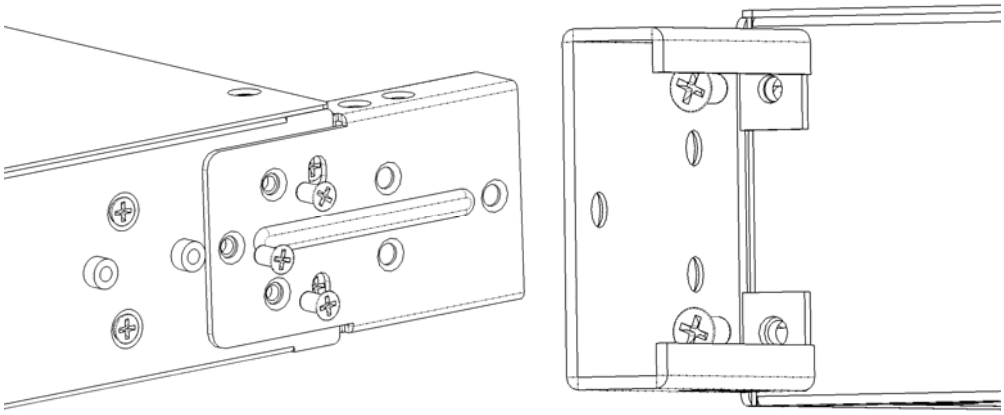


B. Rack Depth Above 520 mm

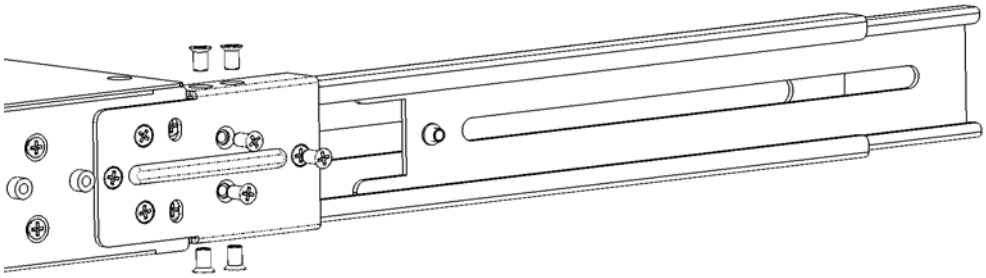
1. Remove the screw of long assemblied bracket and keep screws



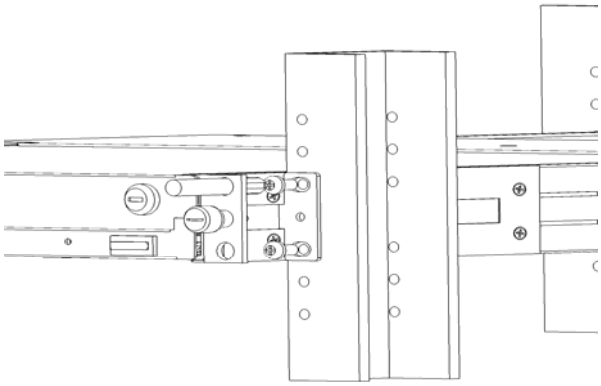
2. Combine (I) to console from each side using cap screw (5 pcs each side)



3. Combine (I) and (II) from each side (7 pcs each side)

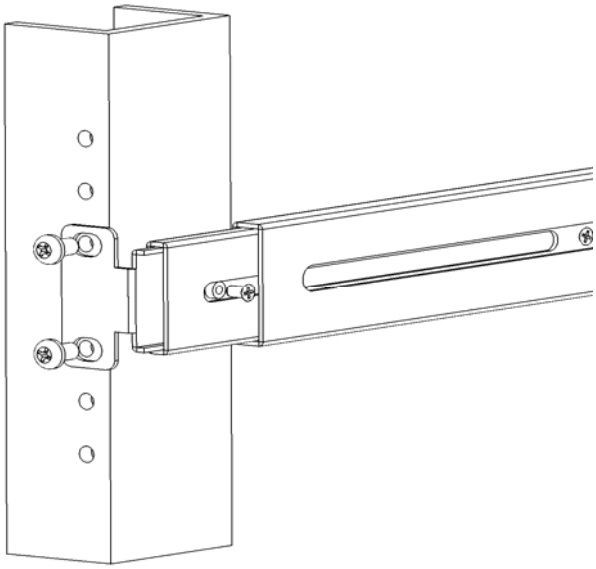


4. Release the Thumb Screw of front bracket and Install front bracket from each side using cabinet screws

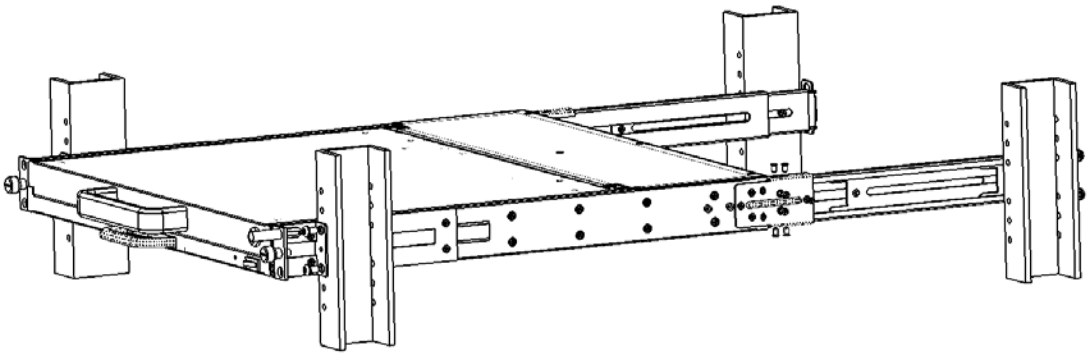


5. Combine (I)+(II) and (III) using the original screw and Install rear bracket from each side using cabinet screws

Please use support bracket to replace (III) when rack depth is more than 680 mm.



6. Finish Installation as below



7. Attach provided cable and power cord to use

3.2 Installing the Video Card and Video Driver

Before connecting the LCD console, make sure your computer has a video card already installed for the monitor. After you connect the console, install the video software driver. The video driver is supplied by the video card manufacturer and may be found on the CD-ROM that came with your computer. If you need information on installing a video card or video driver, refer to the manual that came with your video card.

3.2.1 Configuring the Display Settings

After connecting the console and turning on your computer, you may need to configure one or more of the following display settings:

- Display mode (also called desktop area or video resolution)
- Refresh rate (also called vertical scan rate or vertical sync)
- Color depth (also called color palette or number of colors)

Each video card has several controls that let you adjust the display settings. However, the software and driver for each video card is unique. In most cases, you adjust these settings by using a program or utility provided by the manufacturer of the video card. Most video cards use the Windows Display Properties control panel to configure the display. To open the Windows Display Properties, click the right mouse button in a blank area of the Windows desktop and then select **Properties.** The Settings tab usually lets you change the Color Palette and the Desktop Area *(x by y* pixel resolution).

Some video cards integrate additional features into the Windows Display Properties control panel to give you an exceptional setup that is flexible and easy to use. For example, the control panel may include an Advanced Properties button, an Adjustment tab, or a Refresh tab for changing other settings. Other video cards have a separate utility for setting display properties.

Whenever you change the resolution, color, or refresh rate, the image size, position, or shape may change. This behavior is normal. You can readjust the image using the monitor on-screen controls. For more information on the monitor on-screen controls, refer to Chapter 2. For more information on configuring the display settings, refer to the manual that came with your video card.

3.2.2 Connecting the Console

To connect an LCD console to a computer, perform the following steps

Figure 3-1. The rear view of LCD console

1. Turn off your computer. You should always turn off your computer before connecting or disconnecting a device.
2. Connect the video (VGA) connector of the KVM cable to the video card connector on the rear panel of your computer.
3. Identify and connect the PS/2 mouse and PS/2 keyboard connector to the correct PS/2 ports on the rear panel of your computer.
4. Connect the AC power cord to the power inlet on the console and then to a power outlet.

3.3 Turning on the Console

Make sure all cables and the power cord are connected properly. Be sure to tighten all connector screws. Using two hands, grasp the rear of the console, lift the tab and pull the panel up and forward. This will disengage the momentary on/off switch and the unit should power on. The LED on the left or under of the monitor panel should turn from orange to green, verifying that the unit is operational.

3.4 Testing the Console

To test that the console is working properly, perform the following steps:

1. Power up the console, and then turn on your computer.
2. Make sure the video image is centered within the screen area. Use the OSD controls to adjust the image (see note below) or press the Auto button on the right hand side of the monitor.

If the unit does not power up when the panel is pulled up, try pushing the soft power on/off button on the left or under side of the monitor panel to power up the unit.

You can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference. Refer to Chapter 2 for more information on using the on-screen menu to adjust the video display

Before you begin, make sure that powers to all the devices you will be connecting up have been turned off. To prevent damage to your installation due to ground potential difference, make sure that all the devices on the installation are properly grounded. Consult your direct vendor for any technical issues if necessary.

4. KVM Switch

For the KVM switch user manual, please go back to the main menu and select "KVM Switch".

PS/2 series: Please refer to PS/2 KVM Switch.
Combo-Free series: Please refer to Combo-Free KVM Switch.
CAT5 series: Please refer to CAT5 KVM Switch.

15 / 17 / 19" LCD

Dual Rail Console

User's Manual